

# ONE STEP ACID

## Single Step Acid Cleaner

Product Number 1812

### Purpose and Use

One Step Acid is a low-foaming liquid acid cleaner specifically designed for spray and CIP cleaning or all purpose tanks, lines and all stainless steel equipment. One Step Acid removes butterfat, milkstone, proteins, and food soils from equipment in dairy and food processing plants and is designed as a replacement for traditional multi-step chlorinated alkaline cleaning.

### How One Step Acid Works

One Step Acid is a new approach to CIP cleaning that utilizes a new, acid-based detergent. DeLaval chemists have combined the detergent cycle and the acid cycle into one, saving time in the CIP process that can lead to a multitude of benefits for you. One Step Acid is one component of DeLaval Cleaning Solutions' *Enhanced Products*. *These products were designed to increase efficiency and improve your cleaning and sanitation programs.*

### Benefits

- Speeds up cleaning process
- Reduces and or eliminates acid cycle and associated rinses
- Water, energy, time, labor and chemical savings

### Discussion

A new and unique cleaner, One Step Acid is a proprietary and patent pending blend of acids designed to clean and de-scale processing equipment

One Step Acid takes the guess work out of over dosing chlorinated cleaners to compensate for chlorine loss. Results show that One Step Acid performed equal to and or better than conventional chlorinated alkaline cleaners, when used on CIP systems.

As part of DeLaval Cleaning Solutions product line of cycle time reduction cleaners, One Step Acid is designed to replace traditional chlorinated CIP cleaners by offering the convenience of single phase cleaning thereby increasing the CIP capacity in your facilities. By eliminating an additional wash step, your food processing plant's time, water, and chemical use are minimized and cleaning capacity is maximized in a new and totally different fashion.

### Features

- Proprietary acid detergent
- Low foaming surfactants
- Unique blend of organic and inorganic acids
- Single cycle cleaning
- No need for alkaline or chloralkaline step
- Prevents hard water and mineral deposits
- Does not contribute to Na or Cl discharge
- Lifts, breaks and removes organic soils
- Solubilizes minerals

## Directions for Use

Soak, circulation and spray cleaning. After cleaning, post-rinse with potable water. Sanitize as required.

## Concentration

1/2 to 4 ounces of One Step Acid per gallon of water depending upon soil

## Temperature

90°F to 165°F for circulation cleaning. Cleaning Time: As required. Surface should not become dry during cleaning

## Compatibility

One Step Acid is non corrosive to stainless steel. One Step Acid is not compatible with chlorine containing products (violent and dangerous reaction will occur).

**Contact your local DeLaval Cleaning Solutions sales representative to create a program specific to your needs and usages.**

## Safety Information

### IF ON SKIN

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothes before reusing.

### IF IN EYES

In case of contact, immediately flush with plenty of water for at least 15 minutes. **Get immediate medical attention.**

### IF SWALLOWED

Drink large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. **Get immediate medical attention.**

### IF INHALED

Immediately move to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is difficult, give oxygen. **Get immediate medical attention.**

**Consult your Safety Data Sheet for additional safety information**

For more information about this product or any of our other products and services please visit our website at [www.delavalcleaningsolutions.com](http://www.delavalcleaningsolutions.com) or contact us at 1-800-447-8370.

## DeLaval Cleaning Solutions

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